Search History. 3/20/4 7/h.

| | | | | <i>X</i> |
|----------|------|---|-----------|------------------|
| L Number | Hits | Search Text | DB | Time stamp |
| _ | 2 | ("6143362").PN. | USPAT; | 2004/03/19 20:16 |
| | | | US-PGPUB; | 1 |
| | | | EPO; JPO; | |
| • | | | DERWENT; | |
| | | | IBM TDB | |
| | 2 | ("6284316").PN. | USPAT; | 2002/05/26 19:11 |
| - | 2 | (0204310).FN. | US-PGPUB; | 2002/03/20 13:11 |
| | | | | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 1962 | (257/296).CCLS. | USPAT; | 2002/05/26 19:31 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | 0 | ((257/296).CCLS.) and memory.ti,ab. and | USPAT; | 2002/05/26 19:46 |
| - | U | | | 2002/05/20 15.40 |
| | | control adj circuit and (i/o or input or | US-PGPUB; | |
| | | output or input/output) adj circuit and | EPO; JPO; | |
| | | (active adj region or active adj layer or | DERWENT; | |
| | | channel) and titanium near5 (zinc or | IBM_TDB | 1 |
| | | cadmium or mercury or aluminum or gallium | _ | 1 |
| | | or indium or tin or silicon or germanium | | |
| | | or lead or arsenic or antimony or zn or cd | | |
| | | or hg or al or ga or in or sn or si or ge | | |
| | | or pb or ar or sb) and (tisi or titanium | | |
| | | adj silicide) and (contact adj opening or | | |
| ļ , l | | | | |
| | ^ | via) | IICDAM. | 2002/05/26 19:52 |
| - | 2 | | USPAT; | 2002/05/26 19:52 |
| | | control adj circuit and (i/o or input or | US-PGPUB; | |
| | | output or input/output) adj circuit and | EPO; JPO; | |
| | | (active adj region or active adj layer or | DERWENT; | |
| | | channel) and titanium near5 (zinc or | IBM TDB | , |
| | | cadmium or mercury or aluminum or gallium | _ | |
| | | or indium or tin or silicon or germanium | | |
| | | or lead or arsenic or antimony or zn or cd | | |
| | | or hg or al or ga or in or sn or si or ge | | |
| | | or pb or ar or sb) and (tisi or titanium | | |
| | | | | |
| | ^ | adj silicide) | tropam. | 2002/05/26 10-52 |
| - | 2 | [· · · · · · · · · · · · · · · · · · · | USPAT; | 2002/05/26 19:52 |
| | | control adj circuit and (i/o or input or | US-PGPUB; | |
| | | output or input/output) adj circuit and | EPO; JPO; | |
| | | (active adj region or active adj layer or | DERWENT; | |
| | | channel) and titanium near5 (zinc or | IBM TDB | |
| | | cadmium or mercury or aluminum or gallium | _ | |
| | | or indium or tin or silicon or germanium | | |
| | | or lead or arsenic or antimony or zn or cd | | |
| | | or hg or al or ga or in or sn or si or ge | 1 | |
| | | or pb or ar or sb) and (tisi\$1 or titanium | | |
| | | adj silicide) | | |
| _ | 2 | ((257/296).CCLS.) and memory.ti,ab. and | USPAT; | 2002/05/26 19:53 |
| - | 2 | | US-PGPUB; | 2002,03,20 19.33 |
| | | control adj circuit and (i/o or input or | 1 | l |
| | | output or input/output) adj circuit and | EPO; JPO; | I |
| | | (active adj region or active adj layer or | DERWENT; | |
| | | channel) and titanium near5 (zinc or | IBM_TDB | l |
| | | cadmium or mercury or aluminum or gallium | | I |
| | | or indium or tin or silicon or germanium | | |
| | | or lead or arsenic or antimony or zn or cd | | I |
| | | or hg or al or ga or in or sn or si or ge | | l |
| | | or pb or ar or sb) and ("tisi.sub.2" or | | |
| | | titanium adj silicide) | | |
| _ | 4 | ((257/296).CCLS.) and memory.ti,ab. and | USPAT; | 2002/05/26 19:55 |
| - | 4 | | US-PGPUB; | 2002,03,20 19:33 |
| | | control adj circuit and (i/o or input or | | |
| | | output or input/output) adj circuit and | EPO; JPO; | |
| | | (active adj region or active adj layer or | DERWENT; | |
| | | channel) and titanium near5 (zinc or | IBM_TDB | |
| | | cadmium or mercury or aluminum or gallium | | |
| | | or indium or tin or silicon or germanium | | |
| | | or lead or arsenic or antimony or zn or cd | | |
| | | or hg or al or ga or in or sn or si or ge | | |
| | | or pb or ar or sb) | | |
| | | | · | |

| - | 0 | ((257/296).CCLS.) and memory.ti,ab. and | USPAT; | 2002/05/26 19:55 |
|----------|-----|--|--|------------------|
| | | control adj circuit and (i/o or input or | US-PGPUB; | |
| | | output or input/output) adj circuit and | EPO; JPO; | |
| | | (active adj region or active adj layer or | DERWENT; | |
| | 5 | channel) and titanium adj alloy | IBM_TDB USPAT; | 2002/05/26 20:22 |
| 1 | | ((257/296).CCLS.) and memory.ti,ab. and control adj circuit and (i/o or input or | US-PGPUB; | 2002/03/20 20:22 |
| | | output or input/output) adj circuit and | EPO; JPO; | |
| | | (active adj region or active adj layer or | DERWENT; | |
| | | channel) and titanium | IBM TDB | |
| _ | 0 | ((257/296).CCLS.) and memory.ti,ab. and | USPAT; | 2002/05/26 20:28 |
| | | control adj circuit and (i/o or input or | US-PGPUB; | |
| | | output or input/output) adj circuit and | EPO; JPO; | |
| | | trench adj gate and titanium adj silicide | DERWENT; | |
| | | and titanium near3 alloy | IBM_TDB | 0000/05/05 00 04 |
| - | 14 | gate adj insulat\$3 adj layer near12 | USPAT; | 2002/05/26 20:34 |
| | | (titanium adj silicide or "tisi.sub.2") | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| _ | 2 | jp-63284857\$-\$.did. | USPAT; | 2002/05/26 20:34 |
| 1 | | JE | US-PGPUB; | |
| | } | | EPO; JPO; | |
| 1 | [| | DERWENT; | |
| | 1 | | IBM_TDB | l |
| - | 563 | ((257/296).CCLS.) and contact adj hole | USPAT; | 2002/05/26 20:47 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| _ | 65 | ((257/296).CCLS.) and contact adj hole and | USPAT; | 2002/05/26 20:48 |
| 1 | | (titanium adj silicide or "tisi.sub.2") | US-PGPUB; | 2002,00,20 20110 |
| | | , , , | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 30 | 1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' | USPAT; | 2002/05/26 20:49 |
| | | (titanium adj silicide or "tisi.sub.2") | US-PGPUB; | |
| İ | | and (channel or active adj (layer or region)) and titanium adj (silicide or | EPO; JPO; DERWENT; | |
| | | alloy) | IBM TDB | |
| _ | 2 | | USPAT; | 2002/05/27 12:06 |
| | _ | (0000001 , 11111 | US-PGPUB; | 2002,00,2: 22:00 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | 0000/07/07 / |
| - | 43 | (("3900312") or ("4340617") or ("4343870") | USPĀT; | 2002/05/27 12:08 |
| | - | or ("4359490") or ("4713258") or ("4721631") or ("4751101") or ("4868005") | US-PGPUB; | |
| 1 | i | or ("4876112") or ("4884123") or | EPO; JPO; DERWENT; | |
| | | ("4923717") or ("4957777") or | IBM TDB | |
| | | ("4971655")).PN. | <u>-</u> | |
| - | 13 | (("3900312") or ("4340617") or ("4343870") | USPAT | 2002/05/27 12:10 |
| | | or ("4359490") or ("4713258") or | | |
| | | ("4721631") or ("4751101") or ("4868005") | | |
| | | or ("4876112") or ("4884123") or | | |
| | | ("4923717") or ("4957777") or | | |
| _ | 28 | ("4971655")).PN. (("5005519") or ("5015330") or ("5022905") | USPAT | 2002/05/27 12:20 |
| | 20 | or ("5032233") or ("5049975") or | OSEMI | 2002/03/21 12:20 |
| | | ("5124780") or ("5136362") or ("5147819") | | |
| | | or ("5173327") or ("5192589") or | | |
| | | ("5196360") or ("5202579") or ("5227331") | | |
| | | or ("5227334") or ("5232873") or | : | |
| | | ("5240739") or ("5246881") or ("5252518") | | |
| 1 | | or ("5254499") or ("5258096") or | | |
| | | ("5273783") or ("5275715") or ("5278100") or ("5306951") or ("5320880") or | | |
| | | ("5341016") or ("5344792") or | | |
| | | ("5374591")).PN. | | |
| <u> </u> | | , 00.1002 //.2 | l <u>. </u> | |

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|---|-----|--|------------------------|----------------------|
| - | 31 | (("5376405") or ("5381302") or ("5384284") or ("5391410") or ("5393564") or | USPAT | 2002/05/27 12:27 |
| | | ("5399379") or ("5416045") or ("5425392") | | |
| | | or ("5459353") or ("5459762") or | | |
| | | ("5506166") or ("5508066") or ("5567243") or ("5571572") or ("5575708") or | | |
| | | ("5595784") or ("5607722") or ("5633200") | | |
| | | or ("5641545") or ("5644166") or | | |
| | | ("5693557") or ("5747116") or ("5773890") or ("5828131") or ("5834371") or | | |
| | | ("5838052") or ("5956595") or ("5973402") | | |
| | | or ("6031288") or ("6120844") or ("6143362")).PN. | | |
| _ | 0 | | USPAT; | 2002/05/27 12:28 |
| | | - | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM_TDB | |
| - | 2 | ep-798777\$-\$.did. | USPAT; US-PGPUB; | 2002/05/27 12:32 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 2 | jp-08176823\$-\$.did. | IBM_TDB USPAT; | 2002/05/27 12:37 |
| | _ | } | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| ' | | | IBM_TDB | |
| - | 1 | jp-07092000\$-\$.did. | USPAT; | 2002/05/27 12:38 |
| | | | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| | 1 | "7-092000" | IBM_TDB USPAT; | 2002/05/27 13:04 |
| | | 7 032000 | US-PGPUB; | 2002/03/2/ 13:04 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| - | 0 | ("titanium adj alloy near5 titanium adj | USPAT; | 2002/05/27 13:05 |
| | | silicide").PN. | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| | 22 | titonium odi ollov moone titonium odi | IBM_TDB USPAT; | 2002/05/27 13:05 |
| - | 23 | titanium adj alloy near5 titanium adj silicide | US-PGPUB; | 2002/03/2/ 13:03 |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| _ | 19 | titanium adj alloy near3 titanium adj | USPAT; | 2002/05/27 13:18 |
| | | silicide | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| | 1.0 | | IBM_TDB | 2002/05/27 12 04 |
| _ | 18 | memory adj2 array and control adj circuit and (input/output or i/o) adj circuit and | USPAT; US-PGPUB; | 2002/05/27 13:24 |
| | | (titanium adj silicide or | EPO; JPO; | |
| | | titanium-silicon) and titanium near2 (zinc or zn or cadmium or cd or mercury or hg or | DERWENT; IBM TDB | |
| | | aluminum or al or aluminium or ga or | 1011_100 | |
| | | gallium or indium or tin or sn or ge or | | |
| | | germanium or pb or ar or arsenic or antimony or sb) | | |
| - | 32 | memory adj2 array and control adj circuit | USPAT; | 2002/05/27 13:29 |
| | | <pre>and (input/output or i/o) adj circuit and (titanium adj silicide or</pre> | US-PGPUB; EPO; JPO; | |
| | | titanium-silicon) | DERWENT; | |
| | 28 | memory adio array and control add circuit | IBM_TDB USPAT; | 2002/05/27 15:09 |
| - | 28 | memory adj2 array and control adj circuit and (input/output or i/o) adj circuit and | US-PGPUB; | 2002/03/2/ 15:09 |
| | | (titanium adj silicide or | EPO; JPO; | |
| | | titanium-silicon) and contact adj hole | DERWENT; IBM TDB | |
| | L | | | i |

| - | 7 | ("5239196").PN. | USPAT; | 2002/05/27 17:25 |
|---|----|--|------------------------|------------------|
| | | | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| _ | 0 | ("L3 or L4 or L5").PN. | USPAT; | 2002/05/27 17:25 |
| | | (20 01 21 01 20) | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 72 | ((("3900312") or ("4340617") or | USPAT; | 2002/05/27 17:25 |
| ľ | | ("4343870") or ("4359490") or ("4713258") or ("4721631") or ("4751101") or | US-PGPUB; EPO; JPO; | |
| | | ("4868005") or ("4876112") or ("4884123") | DERWENT; | |
| | | or ("4923717") or ("4957777") or | IBM TDB | |
| | | ("4971655")).PN.) or ((("5005519") or | _ | |
| | | ("5015330") or ("5022905") or ("5032233") | | |
| | | or ("5049975") or ("5124780") or | | |
| | | ("5136362") or ("5147819") or ("5173327") | | |
| | | or ("5192589") or ("5196360") or ("5202579") or ("5227331") or ("5227334") | | |
| | | or ("5232873") or ("5240739") or | | |
| | | ("5246881") or ("5252518") or ("5254499") | | |
| | , | or ("5258096") or ("5273783") or | | |
| | | ("5275715") or ("5278100") or ("5306951") | | |
| | | or ("5320880") or ("5341016") or | | |
| | | ("5344792") or ("5374591")).PN.) or | | • |
| | | ((("5376405") or ("5381302") or ("5384284") or ("5391410") or ("5393564") | | |
| | | or ("5399379") or ("5416045") or | | |
| | | ("5425392") or ("5459353") or ("5459762") | | |
| | | or ("5506166") or ("5508066") or | | |
| | | ("5567243") or ("5571572") or ("5575708") | | |
| | | or ("5595784") or ("5607722") or | | |
| | | ("5633200") or ("5641545") or ("5644166") or ("5693557") or ("5747116") or | | |
| | | ("5773890") or ("5828131") or ("5834371") | | |
| | | or ("5838052") or ("5956595") or | | |
| | | ("5973402") or ("6031288") or ("6120844") | | |
| | | or ("6143362")).PN.) | | |
| - | 23 | (((("3900312") or ("4340617") or | USPAT; | 2002/05/27 17:27 |
| | | ("4343870") or ("4359490") or ("4713258") | US-PGPUB; | |
| | | or ("4721631") or ("4751101") or ("4868005") or ("4876112") or ("4884123") | EPO; JPO; DERWENT; | |
| | | or ("4923717") or ("4957777") or | IBM TDB | |
| | | ("4971655")).PN.) or ((("5005519") or | _ | |
| | | ("5015330") or ("5022905") or ("5032233") | | |
| | | or ("5049975") or ("5124780") or | • | |
| | | ("5136362") or ("5147819") or ("5173327") or ("5192589") or ("5196360") or | | |
| | | ("5202579") or ("5227331") or ("5227334") | | |
| | | or ("5232873") or ("5240739") or | | |
| | | ("5246881") or ("5252518") or ("5254499") | | |
| | | or ("5258096") or ("5273783") or | | |
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| | | or ("5320880") or ("5341016") or ("5344792") or ("5374591")).PN.) or | | |
| | | ((("5376405") or ("5381302") or | | |
| | | ("5384284") or ("5391410") or ("5393564") | | |
| | | or ("5399379") or ("5416045") or | | |
| | | ("5425392") or ("5459353") or ("5459762") | | |
| | | or ("5506166") or ("5508066") or ("5567243") or ("5571572") or ("5575708") | | |
| | | or ("5567243") or ("5571572") or ("5575708") or ("5595784") or ("5607722") or | | |
| | | ("5633200") or ("5641545") or ("5644166") | | į |
| | | or ("5693557") or ("5747116") or | | |
| | | ("5773890") or ("5828131") or ("5834371") | | |
| | | or ("5838052") or ("5956595") or | | |
| | | ("5973402") or ("6031288") or ("6120844") | | |
| | | or ("6143362")).PN.)) and aspect adj ratio | | |

| - | 0 | (((("3900312") or ("4340617") or | USPAT; | 2002/05/27 17:27 |
|---|----|---|------------------------|------------------|
| | | ("4343870") or ("4359490") or ("4713258") | US-PGPUB; | |
| | | or ("4721631") or ("4751101") or | EPO; JPO; | |
| | | ("4868005") or ("4876112") or ("4884123") | DERWENT; IBM TDB | |
| | | or ("4923717") or ("4957777") or ("4971655")).PN.) or ((("5005519") or | TPM_IDB | |
| | | ("5015330") or ("5022905") or ("5032233") | | |
| | | or ("5049975") or ("5124780") or | | |
| | | ("5136362") or ("5147819") or ("5173327") | | |
| | | or ("5192589") or ("5196360") or | | |
| | | ("5202579") or ("5227331") or ("5227334") | | |
| | | or ("5232873") or ("5240739") or | | |
| | | ("5246881") or ("5252518") or ("5254499") | | |
| | | or ("5258096") or ("5273783") or | | |
| | | ("5275715") or ("5278100") or ("5306951") | | |
| | | or ("5320880") or ("5341016") or | | |
| | ł | ("5344792") or ("5374591")).PN.) or | | |
| | | ((("5376405") or ("5381302") or | | |
| | | ("5384284") or ("5391410") or ("5393564") or ("5399379") or ("5416045") or | | |
| | | ("5425392") or ("5459353") or ("5459762") | | |
| | | or ("5506166") or ("5508066") or | | |
| | | ("5567243") or ("5571572") or ("5575708") | | |
| | | or ("5595784") or ("5607722") or | | |
| | | ("5633200") or ("5641545") or ("5644166") | | |
| | | or ("5693557") or ("5747116") or | | |
| | | ("5773890") or ("5828131") or ("5834371") | | |
| | | or ("5838052") or ("5956595") or | | |
| | | ("5973402") or ("6031288") or ("6120844") | | |
| | | or ("6143362")).PN.)) and aspect adj ratio | | |
| | | and memory.ti,ab. | *** | 0000/05/07 10:15 |
| - | 9 | , | USPAT; | 2002/05/27 18:15 |
| | | ("4343870") or ("4359490") or ("4713258") or ("4721631") or ("4751101") or | US-PGPUB; EPO; JPO; | |
| | | ("4868005") or ("4876112") or ("4884123") | DERWENT; | |
| | | or ("4923717") or ("4957777") or | IBM TDB | |
| | | ("4971655")).PN.) or ((("5005519") or | | |
| | | ("5015330") or ("5022905") or ("5032233") | | |
| | | or ("5049975") or ("5124780") or | | |
| | | ("5136362") or ("5147819") or ("5173327") | | |
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| | | ("5202579") or ("5227331") or ("5227334") | | |
| | | or ("5232873") or ("5240739") or | | |
| | | ("5246881") or ("5252518") or ("5254499") | | |
| | | or ("5258096") or ("5273783") or ("5275715") or ("5278100") or ("5306951") | | |
| | | or ("5320880") or ("5341016") or | | |
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| | | ((("5376405") or ("5381302") or | | |
| | | ("5384284") or ("5391410") or ("5393564") | | : |
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| | 1 | ("5567243") or ("5571572") or ("5575708") | | |
| | 1 | or ("5595784") or ("5607722") or | | |
| | | ("5633200") or ("5641545") or ("5644166") or ("5693557") or ("5747116") or | | |
| | | ("5773890") or ("5828131") or ("5834371") | | |
| | | or ("5838052") or ("5956595") or | 1 | |
| | | ("5973402") or ("6031288") or ("6120844") | | |
| | | or ("6143362")).PN.)) and aspect adj ratio | | |
| 1 | 1 | same (connection or contact) adj hole | | |
| - | 12 | <u></u> | USPAT; | 2002/05/27 20:44 |
| | | contact) adj hole and titanium adj | US-PGPUB; | |
| | | silicide and titanium adj alloy | EPO; JPO; | |
| | | | DERWENT; | |
| | _ | /#5220106#\ DM | IBM_TDB | 2002/05/27 20:44 |
| - | 7 | ("5239196").PN. | USPAT; US-PGPUB; | 2002/05/27 20:44 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| L | L | | | |

| _ | 0 | ("((titanium near2 zinc or ti-zn) near6 | USPAT; | 2002/05/27 21:33 |
|------------|--------|--|-----------|--------------------|
| | | interconnect)").PN. | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| [| | | IBM TDB | |
| l <u> </u> | 0 | ((titanium near2 zinc or ti-zn) near6 | USPAT; | 2002/05/27 21:34 |
| | " | interconnect) | US-PGPUB; | 2002/03/2/ 21:34 |
| | | Interconnect, | EPO; JPO; | |
| | | | | |
| | | | DERWENT; | |
| | _ | | IBM_TDB | |
| - | 0 | (| USPAT; | 2002/05/27 21:34 |
| | | interconnect\$3 | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | 0 | (titanium near2 zinc near12 alloy) and | USPAT; | 2002/05/28 10:16 |
| | | ((contact adj (opening or hole)) or via) | US-PGPUB; | |
| | | and (memory adj (device or array or | EPO; JPO; | İ |
| | | cell)).ti,ab. | DERWENT; | |
| | | (CC11//.C1/ab. | IBM TDB | |
| } | 194 | /+i+onium noom2 sinc noom12 ollow) and | USPAT; | 2002/05/28 10:17 |
| - | 194 | | | 2002/05/20 10:1/ |
| | | ((contact adj (opening or hole)) or via) | US-PGPUB; | |
| • | * | en en en en en en en en en en en en en e | EPO; JPO; | |
| | | | DERWENT; | |
| | 1 | | IBM_TDB | |
| - | 9 | (titanium near2 zinc near12 alloy) same | USPAT; | 2002/05/28 10:20 |
| | 1 | ((contact adj (opening or hole)) or via) | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 5090 | zinc same ((contact adj (opening or hole)) | USPAT; | 2002/05/28 10:21 |
| | 1 3030 | or via) | US-PGPUB; | 2002/05/28 10.21 |
| | | Of Via) | 1 | |
| | } | | EPO; JPO; |] |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 0 | (===== ============================== | USPAT; | 2002/05/28 10:22 |
| | | and memory.ti,ab. | US-PGPUB; | |
| | | | EPO; JPO; | |
| | İ | | DERWENT; | |
| | | | IBM TDB |] |
| _ | 857 | zinc near6 (contact adj (hole or opening) | USPĀT; | 2002/05/28 10:23 |
| | | or via) | US-PGPUB; | |
| | | / | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 5 | (zn or zinc) near6 (contact adj (hole or | USPAT; | 2002/05/28 10:43 |
| | 3 | | l ' | 2002/05/28 10:43 |
| | | opening) or via) and memory.ti,ab. | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 1120 | | USPAT; | 2002/05/28 10:47 |
| | | opening) or via) | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | 47 | (zn or zinc) near6 (contact adj (hole or | USPAT; | 2002/05/28 12:05 |
| | • • | opening) or via) and gate | US-PGPUB; | -002, 00, 20 12.00 |
| | | | EPO; JPO; | |
| | | | | |
| | | | DERWENT; | |
| | | | IBM_TDB | 0000/05/00 15 == |
| - | 1 | (| USPAT; | 2002/05/28 10:59 |
| | | titanium) | US-PGPUB; | İ |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - ! | 1 | "5976969".PN. | USPAT | 2002/05/28 11:01 |
| - | 1 | "5871805".PN. | USPAT | 2002/05/28 11:02 |
| - 1 | 1 | "5472505".PN. | USPAT | 2002/05/28 11:02 |
| _ | 1 | "5472505".PN. | USPAT | 2002/05/28 11:03 |
| | | | | |

| - | 66 | (zinc near6 alloy near6 titanium) and | USPAT; | 2002/05/28 12:04 |
|-----|----------|---|------------------------|------------------|
| | | (memory.ti,ab. or control adj | US-PGPUB; | |
| | | circuit.ti,ab. or (i/o or input/output or | EPO; JPO; | |
| | | input or output) adj circuit).ti,ab. | DERWENT; | |
| | | (| IBM_TDB | 2000/05/00 12:06 |
| - | 6026 | (zn or zinc) near6 (contact or via) | USPAT; | 2002/05/28 12:06 |
| | | | US-PGPUB; EPO; JPO; | |
| i | f | | DERWENT; | |
| | | | IBM TDB | |
| l _ | 71 | ((zn or zinc) near6 (contact or via)) | USPAT; | 2002/05/28 13:18 |
| | , - | near6 (source or drain) | US-PGPUB; | 2002,00,20 13:10 |
| | | 110020 (000200 02 020211) | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 0 | (interconnect near2 metal near10 zinc) and | USPAT; | 2002/05/28 13:19 |
| | | interconnect\$3.ti,ab. and 257/\$6.ccls. | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
|] | | | IBM_TDB | |
| - | 1 | (interconnect near2 zinc) and | USPAT; | 2002/05/28 13:19 |
| | | interconnect\$3.ti,ab. and 257/\$6.ccls. | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | 0000/05/00 10 10 |
| - | 22 | • | USPAT; | 2002/05/28 13:19 |
| | | interconnect\$3.ti,ab. | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | | |
| | 7 | ("5239196").PN. | IBM_TDB USPAT; | 2002/05/28 15:05 |
| - | ' | (3239190).FN. | US-PGPUB; | 2002/03/28 13:03 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 2 | ("6217721").PN. | USPAT; | 2002/05/28 15:05 |
| | _ | (, , | US-PGPUB; | |
| | | | EPO; JPO; | |
| ļ | | | DERWENT; | |
| | | | IBM TDB | |
| - | 23 | (US-5463234-\$ or US-6087727-\$ or | USPAT; | 2002/11/23 18:11 |
| | | US-5386135-\$ or US-6255151-\$ or | US-PGPUB; | |
| | | US-6252281-\$ or US-6143362-\$ or | JPO; | |
| | | US-6217721-\$ or US-6031288-\$ or | DERWENT | |
| | | US-5239196-\$ or US-4557943-\$ or | | |
| | | US-5523626-\$ or US-6221770-\$ or | | |
| | | US-6284316-\$).did. or (US-20020060331-\$ or | | |
| | | US-20020043678-\$ or US-20020006716-\$ or | | |
| | | US-20010006240-\$ or US-20010052610-\$ or | | |
| | | US-20020053691-\$ or US-20010022369-\$).did. or (JP-08176823-\$).did. or (JP-63284857-\$ | | |
| | | or (JP-08176823-\$).did. or (JP-63284857-\$) or EP-798777-\$).did. | | |
| _ | 1 | ("5239196").PN. | USPAT | 2002/11/24 11:41 |
| _ | 1 | | USPAT; | 2002/11/24 11:41 |
| | | gate and contact adj (hole or opening) and | US-PGPUB; | |
| | | (titanium adj alloy or titanium adj | EPO; JPO; | |
| | | silicide) | DERWENT; | |
| | | • | IBM TDB | |
| | 1 | ("6217721").PN. | USPAT | 2002/11/24 11:53 |
| _ | 1 | (("6217721").PN.) and titanium | USPAT; | 2002/11/24 11:53 |
| | | | US-PGPUB; | • |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |

| - | 23 | (US-6255151-\$ or US-6252281-\$ or | USPAT; | 2002/11/24 13:12 |
|---|----------|---|-------------------|------------------|
| | | US-6087727-\$ or US-5463234-\$ or | US-PGPUB; JPO: | |
| | 1 | US-6221770-\$ or US-5523626-\$ or US-4557943-\$ or US-5239196-\$ or | DERWENT | |
| | | US-6031288-\$ or US-6217721-\$ or | DEKWENI | |
| • | | US-5386135-\$ or US-6284316-\$ or | | |
| | | US-6143362-\$).did. or (US-20010022369-\$ or | 1 | |
| | | US-20020053691-\$ or US-20020060331-\$ or | | |
| | | US-20010006240-\$ or US-20010052610-\$ or | | |
| | | US-20020006716-\$ or US-20020043678-\$).did. | | |
| | | or (JP-08176823-\$).did. or (EP-798777-\$ or | | |
| | | JP-63284857-\$).did. | | |
| - | 6 | ((US-6255151-\$ or US-6252281-\$ or | USPAT; | 2002/11/24 13:21 |
| | | US-6087727-\$ or US-5463234-\$ or | US-PGPUB; | |
| | | US-6221770-\$ or US-5523626-\$ or | EPO; JPO; | |
| | | US-4557943-\$ or US-5239196-\$ or | DERWENT; | |
| | | US-6031288-\$ or US-6217721-\$ or | IBM_TDB | |
| | | US-5386135-\$ or US-6284316-\$ or | | |
| | | US-6143362-\$).did. or (US-20010022369-\$ or | | |
| | | US-20020053691-\$ or US-20020060331-\$ or US-20010006240-\$ or US-20010052610-\$ or | | |
| | | US-20010006240-\$ or US-20010052610-\$ or US-20020043678-\$).did. | 1 | |
| | | or (JP-08176823-\$).did. or (EP-798777-\$ or | | |
| | | JP-63284857-\$).did.) and titanium adj | | |
| | | alloy and titanium adj silicide | | |
| _ | 5937 | | USPAT; | 2002/11/24 13:44 |
| | 3337 | (257/299) or (257/300) or (257/301) or | US-PGPUB; | |
| 1 | | (257/302) or (257/302) or (257/303) or | EPO; JPO; | |
| | | (257/304) or (257/305) or (257/306) or | DERWENT; | |
| | | (257/307) or (257/308) or (257/309) or | IBM TDB | |
| | | (257/310) or (257/311) or (257/312) or | _ | |
| İ | | (257/313)).CCLS. | | |
| - | 146 | 1 , , , | USPAT; | 2002/11/24 13:49 |
| | | (257/299) or (257/300) or (257/301) or | US-PGPUB; | |
| | | (257/302) or (257/302) or (257/303) or | EPO; JPO; | |
| | | (257/304) or (257/305) or (257/306) or | DERWENT; | |
| | | (257/307) or (257/308) or (257/309) or | IBM_TDB | 1 |
| | | (257/310) or (257/311) or (257/312) or (257/313)).CCLS.) and titanium near3 (zinc | | |
| | | or zn or cadmium or cd or mercury or hg or | | |
| | | alumin\$um or al or gallium or ga or indium | | |
| | | or in or tin or sn or germanium or ge or | | |
| | } | lead or pb or arsenic or as or antimony or | | |
| | | sb) and titanium adj silicide | | |
| - | 189 | (((257/296) or (257/297) or (257/298) or | USPAT; | 2002/11/24 13:51 |
| | | (257/299) or (257/300) or (257/301) or | US-PGPUB; | |
| | | (257/302) or (257/302) or (257/303) or | EPO; JPO; | |
| | | (257/304) or (257/305) or (257/306) or | DERWENT; | |
| | 1 | (257/307) or (257/308) or (257/309) or | IBM_TDB | |
| | 1 | (257/310) or (257/311) or (257/312) or | İ | |
| | | (257/313)).CCLS.) and titanium near13 (zinc or zn or cadmium or cd or mercury or | | |
| | | hg or alumin\$um or al or gallium or ga or | | |
| | | indium or in or tin or sn or germanium or | | |
| | | ge or lead or pb or arsenic or as or | | |
| | 1 | antimony or sb) and titanium adj silicide | | |
| | | and contact | | |
| - | 119 | | USPAT; | 2002/11/24 13:53 |
| | 1 | (257/299) or (257/300) or (257/301) or | US-PGPUB; | |
| | | (257/302) or (257/302) or (257/303) or | EPO; JPO; | |
| | | (257/304) or (257/305) or (257/306) or | DERWENT; | |
| | | (257/307) or (257/308) or (257/309) or | IBM_TDB | |
| | | (257/310) or (257/311) or (257/312) or | | |
| | 1 | (257/313)).CCLS.) and titanium near13 | | |
| | 1 | (zinc or zn or cadmium or cd or mercury or | | |
| | | hg or alumin\$um or al or gallium or ga or | | |
| | 1 | indium or in or tin or sn or germanium or | | |
| | | ge or lead or pb or arsenic or as or | | |
| | 1 | antimony or sb) and titanium adj silicide and contact and memory.ti,ab,clm. | | |
| L | <u> </u> | and contact and memory.tr, ab, tim. | L <u></u> | l |

| - | 84 | (((257/296) or (257/297) or (257/298) or | USPAT; | 2002/11/24 13:55 |
|----------------|----------|--|------------------------|------------------|
| | | (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or | US-PGPUB; EPO; JPO; | |
| | | (257/302) of (257/305) of (257/306) or (257/306) or | DERWENT; | |
| | | (257/307) or (257/308) or (257/309) or | IBM TDB | |
| | | (257/310) or (257/311) or (257/312) or | | |
| | | (257/313)).CCLS.) and titanium near13 | | |
| | | (zinc or zn or cadmium or cd or mercury or | | |
| | | hg or alumin\$um or al or gallium or ga or | | |
| | | indium or in or tin or sn or germanium or | | |
| | | ge or lead or pb or arsenic or as or | | |
| | | antimony or sb) and titanium adj silicide | | |
| | | and contact.ti,ab,clm. and | | |
| | | memory.ti,ab,clm. | | 0000/11/04 14 30 |
| - | 84 | (((257/296) or (257/297) or (257/298) or | USPAT; | 2002/11/24 14:38 |
| | | (257/299) or (257/300) or (257/301) or | US-PGPUB; | |
| | | (257/302) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or | EPO; JPO; DERWENT; | |
| | | (257/307) or (257/308) or (257/309) or | IBM TDB | |
| | | (257/310) or (257/311) or (257/312) or | 1211-122 | |
| | | (257/313)).CCLS.) and titanium near13 | | |
| | | (zinc or zn or cadmium or cd or mercury or | | |
| | | hg or alumin\$1um or al or gallium or ga or | | |
| | | indium or in or tin or sn or germanium or | | |
| | | ge or lead or pb or arsenic or as or | İ | |
| | | antimony or sb) and titanium adj silicide | | |
| | | and contact.ti,ab,clm. and | | |
| | | memory.ti,ab,clm. | | 0000/11/04 14 41 |
| - | 2 | (((257/296) or (257/297) or (257/298) or | USPAT; | 2002/11/24 14:41 |
| | | (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or | US-PGPUB; EPO; JPO; | |
| | | (257/302) of (257/302) of (257/303) of (257/304) or (257/305) or (257/306) or | DERWENT; | |
| | | (257/307) or (257/308) or (257/309) or | IBM TDB | |
| | | (257/310) or (257/311) or (257/312) or | 1511_155 | |
| | | (257/313)).CCLS.) and titanium adj | | |
| | | precursor near12 (germanium or indium or | | |
| | | arsenic or lead or cadmium or mercury or | | |
| | | zinc or aluminum or aluminium or gallium | | |
| | | or tin or antimony) | | |
| - | 25 | (US-6143362-\$ or US-6284316-\$ or | USPAT; | 2002/11/24 15:03 |
| | | US-6252281-\$ or US-5386135-\$ or | US-PGPUB; | |
| | | US-6255151-\$ or US-6221770-\$ or | JPO; | |
| | | US-5523626-\$ or US-4557943-\$ or US-5239196-\$ or US-6031288-\$ or | DERWENT | |
| | | US-6217721-\$ or US-5463234-\$ or | | |
| | | US-6087727-\$).did. or (US-20010006240-\$ or | | |
| | | US-20020060331-\$ or US-20020043678-\$ or | | |
| | | US-20020006716-\$ or US-20010022369-\$ or | | |
| | | US-20010052610-\$ or US-20020053691-\$ or | | |
| | | US-20020047153-\$ or US-20020017724-\$).did. | | |
| | | or (JP-08176823-\$).did. or (JP-63284857-\$ | | |
| | | or EP-798777-\$).did. | | 0000/11/05 15 55 |
| , - | 25 | ((US-6143362-\$ or US-6284316-\$ or | USPAT; | 2002/11/24 15:08 |
| | | US-6252281-\$ or US-5386135-\$ or US-6255151-\$ or US-6221770-\$ or | US-PGPUB; EPO; JPO; | |
| | | US-5523626-\$ or US-4557943-\$ or | DERWENT; | |
| | | US-5239196-\$ or US-6031288-\$ or | IBM TDB | |
| | | US-6217721-\$ or US-5463234-\$ or | 12.1_122 | |
| | | US-6087727-\$).did. or (US-20010006240-\$ or | | |
| | | US-20020060331-\$ or US-20020043678-\$ or | | |
| [| | US-20020006716-\$ or US-20010022369-\$ or | | |
| | | US-20010052610-\$ or US-20020053691-\$ or | | |
| | | US-20020047153-\$ or US-20020017724-\$).did. | | |
| | | or (JP-08176823-\$).did. or (JP-63284857-\$ | | |
| | <u> </u> | or EP-798777-\$).did.) | tion? m | 2002/11/04 15 12 |
| - | 9 | (("5229643") or ("5355020") or ("5534716") | USPAT | 2002/11/24 15:43 |
| | | or ("5725739") or ("6016012") or ("6143649") or ("6208033") or ("6255216") | | |
| | | or ("6320213")).PN. | | |
| L | | 01 \ 0020210 + 121+ | | |

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|---|------|--|------------------------|------------------|
| | 0 | jp-044196419\$-\$.did. | USPAT; US-PGPUB; | 2002/11/24 15:44 |
| | | | EPO; JPO; DERWENT; | |
| _ | 2 | jp-04196419\$-\$.did. | IBM_TDB USPAT; | 2002/11/24 15:44 |
| | |) | US-PGPUB; | 2002/11/24 13.44 |
| | | | EPO; JPO; DERWENT; | |
| _ | 9 | (US-6255216-\$ or US-6320213-\$ or | IBM_TDB USPAT | 2002/11/24 16:07 |
| | | US-6143649-\$ or US-6208033-\$ or US-5725739-\$ or US-6016012-\$ or | | |
| | | US-5534716-\$ or US-5229643-\$ or | | |
| _ | 3683 | US-5355020-\$).did. ((257/734) or (257/757) or (257/754) or | USPAT; | 2002/11/24 16:08 |
| | | (257/755) or (257/763) or (257/770) or (257/771)).CCLS. | US-PGPUB; EPO; JPO; | |
| | | (20.7.1.27,7.0020. | DERWENT; IBM TDB | |
| - | 13 | | USPAT; | 2002/11/24 16:22 |
| | | (257/755) or (257/763) or (257/770) or (257/771)).CCLS.) and (titanium adj alloy | US-PGPUB; EPO; JPO; | |
| | | or (titanium near13 (cadmium or indium or aluminium or aluminum or arsenic or lead | DERWENT; IBM TDB | |
| | | or germanium or antimony or mercury or zinc))) and titanium adj silicide and | _ | |
| | 2 | contact.ab,ti,clm. and memory.ti,ab,clm. ("6143362").PN. | USPAT; | 2002/11/24 19:36 |
| - | 2 | (0143302).FN. | US-PGPUB; | 2002/11/24 19:36 |
| | | | EPO; JPO; DERWENT; | |
| _ | 6 | ("5656836").PN. | IBM_TDB USPAT; | 2002/11/24 19:51 |
| | | | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; | |
| _ | 2 | ("6284316").PN. | IBM_TDB USPAT; | 2002/11/24 19:51 |
| | | | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; IBM_TDB | |
| - | 2 | ("6284316").PN. | USPAT; US-PGPUB; | 2003/04/18 16:08 |
| | | | EPO; JPO; DERWENT; | |
| | 2 | ("6143362").PN. | IBM_TDB USPAT; | 2003/04/18 16:08 |
| - | | (0143307).EN. | US-PGPUB; | 2003/04/18 16:08 |
| | | | EPO; JPO; DERWENT; | |
| - | 0 | ("941123.ap.").PN. | IBM_TDB USPAT; | 2003/04/18 17:44 |
| | | | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| - | 5 | 941123.ap. | USPĀT; | 2003/04/18 17:47 |
| | | | US-PGPUB; EPO; JPO; | |
| | | | DERWENT; IBM_TDB | |
| - | 9831 | ((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or | USPAT; US-PGPUB; | 2003/04/18 17:50 |
| | | (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or | EPO; JPO; DERWENT; | |
| | | (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or | IBM_TDB | |
| | | (257/313) or (257/734) or (257/755) or | | |
| | | (257/754) or (257/757) or (257/763) or (257/770)).CCLS. | | |

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|----------|---------------|--|-----------|--------------------|
| _ | 283 | (((257/296) or (257/297) or (257/298) or | USPAT; | 2003/04/18 17:52 |
| | | (257/299) or (257/300) or (257/301) or | US-PGPUB; | |
| | | (257/301) or (257/302) or (257/303) or | EPO; JPO; | |
| 1 | | (257/304) or (257/305) or (257/306) or | DERWENT; | • |
| | | (257/307) or (257/308) or (257/309) or | IBM TDB | |
| | | (257/310) or (257/311) or (257/312) or | 12.1122 | |
| | | (257/313) or (257/734) or (257/755) or | | |
| | | | | |
| | 1 | (257/754) or (257/757) or (257/763) or | | |
| | | (257/770)).CCLS.) and (tis or titanium adj | , | |
| | | silicide) and (titanium near12 alloy) | | |
| - | 190 | | USPAT; | 2003/04/18 17:53 |
| | | (257/299) or (257/300) or (257/301) or | US-PGPUB; | |
| | | (257/301) or (257/302) or (257/303) or | EPO; JPO; | |
| | | (257/304) or (257/305) or (257/306) or | DERWENT; | |
| | | (257/307) or (257/308) or (257/309) or | IBM TDB | |
| | | (257/310) or (257/311) or (257/312) or | - | |
| | | (257/313) or (257/734) or (257/755) or | | |
| | 1 | (257/754) or (257/757) or (257/763) or | | |
| | | (257/770)).CCLS.) and (tis or titanium adj | | |
| | | silicide) and (titanium near4 alloy) | | |
| _ | 16 | | USPAT | 2003/11/11 11:31 |
| | 10 | 3724012 | ODIAI | 2003/11/11 11:31 |
| _ | , | ("5924012").PN. | USPAT | 2003/11/11 11:31 |
| | 1 <u>1</u> 0. | ("3524UIZ").PN. | | |
| - | 0 | ("941125.ap.").PN. | USPAT; | 2003/11/11 14:59 |
| | | | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 4 | 941125.ap. | USPAT; | 2003/11/11 16:11 |
| | ĺ | - | US-PGPUB | |
| _ | 1 | ("6153490").PN. | USPAT | 2003/11/11 15:04 |
| _ | 1 | ("5239196").PN. | USPAT | 2003/11/11 15:08 |
| _ | 3 | 941123.ap. | USPAT | 2003/11/11 15:08 |
| <u>-</u> | ĺ | ("6217721").PN. | USPAT | 2003/11/11 16:11 |
| _ | ا أ | jp-2000026196\$-\$.did. | USPAT | 2003/11/11 10:11 |
| 1_ | 2 | jp-2000026196\$-\$.did. | USPAT; | 2003/11/12 09:08 |
| _ | |]p-20000201904-4.d1d. | 1 | 2003/11/12 09:08 |
| | | | JPO; | |
| | | 058/006 | DERWENT | |
| - | 2873 | 257/296 | USPAT | 2003/11/12 15:10 |
| - | 6964 | ((257/296) or (257/297) or (257/298) or | USPAT; | 2003/11/12 15:12 |
| | | (257/299) or (257/300) or (257/301) or | US-PGPUB | |
| | | (257/302) or (257/303) or (257/304) or | | |
| 1 | | (257/305) or (257/306) or (257/307) or | | |
| | | (257/308) or (257/309) or (257/310) or | | |
| | | (257/311) or (257/312) or (257/313) or | | |
| | | (257/734) or (257/754) or (257/755) or | | |
| | | (257/757) or (257/763) or (257/770)).CCLS. | | |
|]_ | 0 | (((257/296) or (257/297) or (257/298) or | USPAT; | 2003/11/12 15:15 |
| 1 | | ((257/299) or (257/300) or (257/301) or | US-PGPUB | = 1000,11,12 10.15 |
| | | (257/302) or (257/303) or (257/304) or | OO FGEOD | |
| | | (257/302) OI (257/303) OI (257/304) OI | | |
| | | (257/305) or (257/306) or (257/307) or | | |
| | | (257/308) or (257/309) or (257/310) or | | |
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| | | (257/734) or (257/754) or (257/755) or | | |
| | | (257/757) or (257/763) or | | |
| | | (257/770)).CCLS.) and titanium near12 | | |
| | | (zinc zn cadmium cd mercury hg aluminium | | |
| | | aluminum al gallium ga indium tin sn | | |
| | | silicon si antimony germanium ge lead pb | | |
| | | arsenic) and memory and tintaium adj | | |
| ļ | | silicide and (contact via) | | |
| | | DEFECTAC MIN (CONTINUE VIA) | | <u>.</u> |

| _ | 23 | (((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or | USPAT; US-PGPUB | 2003/11/12 15:16 |
|---|-------|--|--|------------------|
| | | (257/311) or (257/312) or (257/313) or (257/734) or (257/755) or (257/757) or (257/763) or (257/770)).CCLS.) and (bpsg | | |
| | | borophosphosilicate boro-phosphosilicate boro-phospho-silicate) near5 glass and memory and (ti titanium) near2 alloy | | |
| - | 4 | _ · · · · · · · · · · · · · · · · · · · | USPAT; US-PGPUB | 2003/11/12 16:28 |
| - | 0 | "9479847" | USPAT; US-PGPUB | 2003/11/12 16:29 |
| - | 2 | 479847.ap. | USPAT; US-PGPUB | 2003/11/12 16:29 |
| _ | 157 | "4994410" | USPAT; US-PGPUB | 2004/03/19 20:17 |
| | | "5444018" "5846881" | | |
| | | "5970309" "6140230" "6294469" | | |
| _ | 8 | "6605533" | USPAT; | 2004/03/19 20:19 |
| | | ("5444018") or ("5846881") or ("5970309") or ("6140230") or ("6294469") or ("6605533")).PN. | US-PGPUB | 2004/03/13 20:13 |
| - | 49 | (US-6284316-\$ or US-6143362-\$ or US-4557943-\$ or US-5239196-\$ or US-6087727-\$ or US-5463234-\$ or | USPAT; US-PGPUB; JPO; | 2004/03/20 11:53 |
| | | US-6221770-\$ or US-5523626-\$ or US-5846881-\$ or US-4994410-\$ or | DERWENT | |
| | | US-5444018-\$ or US-6605533-\$ or US-6294469-\$ or US-6140230-\$ or | | |
| | | US-6255216-\$ or US-6208033-\$ or US-6143649-\$ or US-6252281-\$ or US-6255151-\$ or US-6016012-\$ or | | |
| | | US-5534716-\$ or US-5725739-\$ or US-5355020-\$ or US-5229643-\$ or | | |
| | | US-5924012-\$ or US-6153490-\$).did. or (US-5970309-\$ or US-5386135-\$ or | | |
| | | US-6031288-\$ or US-6217721-\$ or US-6320213-\$).did. or (US-20020047153-\$ or | | |
| | | US-20020017724-\$ or US-20020000662-\$ or US-20020000263-\$ or US-20020060331-\$ or US-20020060331-\$ | | |
| | | US-20010042505-\$ or US-20010052610-\$ or US-20020053691-\$ or US-20010022369-\$ or US-20020043678-\$ or US-20010006240-\$ or | | |
| | | US-20030001183-\$ or US-20020006716-\$).did. or (JP-08176823-\$ or JP-04196419-\$).did. | | |
| | | or (EP-798777-\$ or JP-63284857-\$ or JP-04196419-\$).did. | | |
| - | . 663 | titanium adj nitride near2 alloy | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2004/03/20 11:56 |
| - | 48 | titanium adj nitride adj alloy | IBM_TDB USPAT; US-PGPUB; EPO; JPO; | 2004/03/20 12:00 |
| | | | DERWENT; IBM TDB | |
| - | 5 | 941123.ap. | USPAT; US-PGPUB; EPO; JPO; | 2004/03/20 11:57 |
| | | | DERWENT; IBM_TDB | |

| _ | 13 | | USPAT; | 2004/03/20 12:15 |
|---|-----|---|------------------------|------------------|
| | | titanium adj silicide and memory adj array | US-PGPUB; | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| _ | a | titanium adj alloy near12 titanium adj | USPAT; | 2004/03/20 12:16 |
| - | | silicide and memory.ti,ab,clm. | US-PGPUB; | 2001703720 12:10 |
| | | Silicide and memory. elyaby olim. | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 9 | titanium adj alloy near12 titanium adj | USPAT; | 2004/03/20 12:17 |
| | | silicide and alloy and memory.ti,ab,clm. | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 273 | titanium adj alloy near12 titanium and | IBM_TDB USPAT; | 2004/03/20 12:17 |
| - | 2/3 | alloy and memory.ti,ab,clm. | US-PGPUB; | 2004/03/20 12:11 |
| | | alloy and memory. cryab, crm. | EPO; JPO; | |
| | ŀ | | DERWENT; | |
| | ŀ | | IBM_TDB | |
| _ | 536 | (TiW TiCd TiZn TiSn Ti TiHg TiAl TiGa TiIn TiGe TiPb TiAs TiSb TiW TiCd TiZn | USPĀT; US-PGPUB; | 2004/03/20 12:50 |
| | | TiSn Ti TiHg TiAl TiGa TiIn | EPO; JPO; | |
| | | TiGe TiPb TiAs TiSb titanium) | DERWENT; | |
| | | near20 silicide and alloy and | IBM_TDB | |
| | | memory.ti,ab,clm. | | 0004/05/55 55 55 |
| - | 70 | , = = = = = = = = = = = = = = = = = = | USPAT; | 2004/03/20 13:07 |
| | | and titanium near4 alloy and | US-PGPUB; | |
| | | memory.ti,ab,clm. | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| _ | 0 | (anneal annealing) near4 titanium adj | USPĀT; | 2004/03/20 13:08 |
| | | alloy near12 silicide | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 000 | (annual annualina) manual titaniam annual | IBM_TDB | 2004/03/20 13:08 |
| - | 830 | (anneal annealing) near4 titanium near12 | USPAT; US-PGPUB; | 2004/03/20 13:08 |
| | | SITTOTAE | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 338 | (anneal annealing) near6 Ti\$3 near6 | USPĀT; | 2004/03/20 13:10 |
| | | silicide | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| _ | 8 | (anneal annealing) near6 Ti\$3 near6 | USPAT; | 2004/03/20 13:11 |
| | | silicide and titanium near2 alloy | US-PGPUB; | |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | _ | | IBM_TDB | 0004/00/00 10 10 |
| - | 2 | | USPAT; | 2004/03/20 13:12 |
| | | silicide and titanium near2 alloy and | US-PGPUB; EPO; JPO; | |
| | | memory.ti,ab,clm. | DERWENT; | |
| | | | IBM TDB | |
| _ | 2 | (anneal annealing) near6 Ti\$3 near6 | USPAT; | 2004/03/20 13:22 |
| | | silicide and titanium near2 alloy and | US-PGPUB; | |
| | | (sram dram memory).ti,ab,clm. and alloy | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | 2004/03/20 13:04 |
| - | 59 | contact adj (hole plug) near6 alloy and silicide and (sram dram memory).ti,ab,clm | USPAT; US-PGPUB; | 2004/03/20 13:24 |
| | ŀ | strictue and (stam dram memory).cl,ab,Clm | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 17 | contact adj (hole plug) near6 alloy near6 | USPAT; | 2004/03/20 13:40 |
| | | (titanium ti) and silicide and (sram dram | US-PGPUB; | |
| | | memory).ti,ab,clm | EPO; JPO; | |
| | | | DERWENT; | |
| L | | | IBM TDB | |

| | | | Lucasa | T0004/00/00 10 41 |
|---|----------|--|------------------------|-------------------|
| _ | 17 | contact adj (hole plug) near6 alloy near6 (titanium ti) and silicide and (sram dram | USPAT; US-PGPUB; | 2004/03/20 13:41 |
| | | memory).ti,ab,clm and (tungsten W | EPO; JPO; | |
| | | alumin\$um Al) | DERWENT; | |
| _ | 5.4 | (US-5475240-\$ or US-6198151-\$ or | IBM_TDB USPAT; | 2004/03/20 14:21 |
| |] | US-6043526-\$ or US-6433434-\$ or | US-PGPUB; | 2001,03,20 11.21 |
| | | US-5444018-\$ or US-4994410-\$ or | JPO; | |
| | | US-5846881-\$ or US-6140230-\$ or US-6294469-\$ or US-6605533-\$ or | DERWENT | |
| | | US-5970309-\$ or US-6153490-\$ or | | |
| | | US-5924012-\$ or US-5229643-\$ or | | |
| | | US-5355020-\$ or US-5725739-\$ or US-5534716-\$ or US-6016012-\$ or | | |
| | | US-6143649-\$ or US-6208033-\$ or | | |
| | | US-6255216-\$ or US-6320213-\$ or | | |
| | | US-6217721-\$ or US-6031288-\$ or US-5239196-\$ or US-4557943-\$).did. or | | |
| | | (US-5523626-\$ or US-6221770-\$ or | | |
| | | US-5463234-\$ or US-6252281-\$ or | | |
| | | US-6087727-\$ or US-5386135-\$ or US-6284316-\$ or US-6143362-\$ or | | |
| | | US-6255151-\$).did. or (US-20020017724-\$ or | | |
| | | US-20020006525-\$ or US-20010042505-\$ or | | |
| | | US-20030001183-\$ or US-20020047153-\$ or US-20020000263-\$ or US-20020000662-\$ or | | |
| | | US-20010006240-\$ or US-20020006716-\$ or | | |
| |] | US-20020053691-\$ or US-20020060331-\$ or | | |
| | | US-20020043678-\$ or US-20010052610-\$ or US-20010022369-\$).did. or (JP-04196419-\$ | | |
| | | or JP-08176823-\$).did. or (JP-04196419-\$ | | |
| | - | or EP-798777-\$ or JP-63284857-\$).did. | HODAM | 0004/02/00 14:40 |
| _ | 5 | 941123.ap. | USPAT; US-PGPUB; | 2004/03/20 14:42 |
| | | | JPO; | |
| _ | 771 | platinum adj group near6 titanium | DERWENT USPAT; | 2004/03/20 14:45 |
| _ | //1 | practitum adj group heard cicanium | US-PGPUB; | 2004/03/20 14.43 |
| | 1 | | JPO; | |
| _ | 9361 | ((257/296) or (257/297) or (257/298) or | DERWENT USPAT; | 2004/03/20 15:03 |
| | 3301 | (257/299) or (257/300) or (257/301) or | US-PGPUB | 2004/03/20 13:03 |
| | | (257/302) or (257/303) or (257/304) or | | |
| | | (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or | | |
| | | (257/311) or (257/312) or (257/313) or | | |
| | | (257/734) or (257/754) or (257/755) or | | ĺ |
| | | (257/757) or (257/758) or (257/763) or (257/764) or (257/770) or (257/906)).CCLS. | | |
| - | 26 | (((257/296) or (257/297) or (257/298) or | USPAT; | 2004/03/20 14:51 |
| | | (257/299) or (257/300) or (257/301) or (257/302) or (257/303) or (257/304) or | US-PGPUB; EPO; JPO; | |
| | | (257/305) or (257/306) or (257/307) or | DERWENT; | |
| | | (257/308) or (257/309) or (257/310) or | IBM_TDB | |
| | | (257/311) or (257/312) or (257/313) or (257/734) or (257/754) or (257/755) or | | |
| | | (257/757) or (257/758) or (257/763) or | | |
| | | (257/764) or (257/770) or | | |
| | | (257/906)).CCLS.) and titanium near10 alloy and (titanium silicide tisi | | |
| | | "tisi.sib."\$1) and (memory dram | | |
| | | sram).ti,ab,clm. and (high-temperature | | |
| | | anneal annealing) and contact adj (plug hole) | | |
| - | 465 | (257/764).CCLS. | USPAT; | 2004/03/20 15:04 |
| _ | 20 | ((257/764).CCLS.) and (ti titanium) near3 | US-PGPUB USPAT; | 2004/03/20 16:15 |
| | 20 | alloy and (ti titanium) adj silicide | US-PGPUB; | 2004/03/20 10:13 |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| | <u> </u> | | | I |

| - 6 ("5239196").PN. | USPAT; 2004/03/20 16: US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 15 |
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